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JUN 4 1975

BEFORE THE
ILLINOIS POLLUTION CONTROL BOARD

POLLUTION CONTROL BOARD

OLIN CORPORATION (JOLIET)

v.

ENVIRONMENTAL PROTECTION AGENCY

PCB 75-214

AMENDMENT TO PETITION FOR VARIANCE

Olin Corporation (Joliet) hereby petitions to amend its pending petition for variance by the addition of a new paragraph 17 as set forth in Appendix A attached hereto.

The additional paragraph 17 supplements existing paragraphs 10 and 12 to the effect that the attainment and/or maintenance of air quality standards will not be significantly affected by the grant of the requested variance. This language is intended to comply with recent rulings of the Board and regulations announced by the United States Environmental Protection Agency pursuant to the decision of the United States Supreme Court in NRDC v. Train.

Respectfully submitted,

Of Counsel:

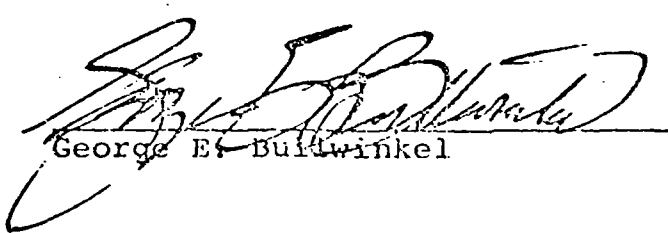
George E. Bullwinkel
Gene H. Hansen
Price, Cushman, Keck,
Mahin & Cate
8300 Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606

Attorney for Olin Corporation

17. The grant of the variance requested herein will have no significant adverse effect upon the attainment of air quality standards in the regions affected, or upon the maintenance of such standards once attainment has been achieved.

CERTIFICATE OF SERVICE

I certify that one copy of the foregoing petition to amend was sent by first class mail to the individuals set forth below on June 4, 1975.



George E. Buitwink

Ms. Kathryn S. Nesburg
Environmental Protection Agency
Enforcement Section
Division of Air Pollution Control
309 West Washington Street
Chicago, Illinois 60606

Mr. Richard W. Cosby
Assistant Attorney General
188 West Randolph Street
Room 2315
Chicago, Illinois 60601

STATE OF ILLINOIS

COUNTY OF WILLIAMSON

SS:

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

OLIN CORPORATION,

Petitioner,

vs.

ENVIRONMENTAL PROTECTION AGENCY,

Respondent.

PCB 74-335

NOTICE

TO: Patrick O. Boyle, Attorney
OLIN CORPORATION
East Alton, Illinois 62024

PLEASE TAKE NOTICE that I have today filed in the Office of the
Clerk of the Pollution Control Board, the Agency's Recommendation,
a

copy of which is herewith served upon you.

ENVIRONMENTAL PROTECTION AGENCY
STATE OF ILLINOIS

By: William A. Erdman
William A. Erdman, Attorney
Enforcement Section
Division of Air Pollution Control

DATED: October 30, 1974

2200 Churchill Road
Springfield, Illinois 62706
217/782-5811

STATE OF ILLINOIS)
)
COUNTY OF WILLIAMSON) SS:

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

OLIN CORPORATION,)
)
 Petitioner,)
)
 vs.)
)
ENVIRONMENTAL PROTECTION AGENCY,)
)
 Respondent.)

PCB 74-335

R E C O M M E N D A T I O N

The following is the report of investigation and Recommendation of the Environmental Protection Agency with regard to the above entitled matter.

INTRODUCTION:

1. On September 11, 1974, the Agency received the Petition for Variance of Olin Corporation.
2. Olin Corporation (hereinafter "Olin") is responsible for the manufacturing of various propellant and pyrotechnic products at a facility located within Williamson County, near Marion, Illinois. The subject of this Variance is the disposal of explosive and pyrotechnic wastes generated during the manufacturing process.
3. The exact amount of explosive and pyrotechnic wastes to be generated by Olin during the one year period of this Variance is uncertain.

However, Olin estimates that the maximum amount to be generated on a weekly basis is as follows:

Ammonium Nitrate Propellant	500 lbs.
Double Base Propellant	300 lbs.
RDX Type Explosive	200 lbs.
Single Base Propellant	20 lbs.
Ammonium Perchlorate Propellant	20 lbs.
Boron-Potassium Nitrate Propellant	200 lbs.
Black Powder	10 lbs.
Nitroglycerine in Sawdust	25 lbs.
Potassium Perchlorate Propellant	20 lbs.
Firecracker Mix	50 lbs.
Colored Smoke Mix	100 lbs.
Contaminated Packaging	200 lbs.
Pyrotechnic Flare Scrap	50 lbs.

-----The total amount of wastes to be disposed of is considerably less than the amount during the variance period of this last year.

4. Olin has been before the Pollution Control Board several times before because of the disposal problems of pyrotechnic and explosive wastes. (See PCB 71-60, 6-28-71; PCB 71-231, 2-18-72; PCB 72-357, 10-31-72; PCB 72-517, 3-22-73 and PCB 73-395, 12-13-73). Olin now seeks a variance in order to continue to use its pyrotechnic destructor since its emissions exceed the limits of Chapter 2, Rules 203(d) and 206(b). In addition, Olin seeks a clarification of, or a variance from, Rules 103 and 104. In the alternative, Olin seeks a variance from Rules 502 and Section 9(c) of the Environmental Protection Act.

Investigation and Consideration -

5. Initially, Olin obtained a variance from the Pollution Control Board in order to open burn pyrotechnic and explosive wastes while controlled methods of thermal destruction were investigated. Eventually, Olin itself

STATE OF ILLINOIS

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Olin Corporation,

Petitioner

vs.

Environmental Protection
Agency

Respondent

No. _____

September 24, 1974

PETITION FOR VARIANCE

COMES NOW Olin Corporation, a Virginia corporation authorized to do business in the State of Illinois, and files its Petition for Variance from the provisions of Rules 104 (b) (2), 104 (c) (1) and 104 (d) of the Illinois Air Pollution Regulations which require that a Compliance Program and/or a Project Completion Schedule, or a revision thereof, have a final compliance date not later than the applicable date prescribed in Chapter 2, Part II of said Regulations, In support thereof, Petitioner states as follows:

1. Petitioner operates a plant, consisting of an area of approximately 1,732 acres at East Alton, Illinois, which in its Zones 1 and 7, it manufactures brass strip and fabricated products, metallic and shot shell ammunition, and operates a steam generating power plant (hereinafter called the "Power Plant") and a potable water treatment plant; and in its Zone 4, Petitioner manufactures shot shell ammunition and

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primer explosives. The waste water from Zones 1, 4 and 7 are treated through Petitioner's Central Waste Water Treatment Facility. Approximately 5,700 employees are currently employed at Petitioner's East Alton location.

2. Petitioner's Power Plant consists of two (2) 75,000#/Hr. boilers and two (2) 150,000#/Hr. boilers, as described in Operating Permit Application No. 0 3 02 0375, I.D. No. 119 020 AAG. The two 75,000#/Hr. boilers (designated boiler numbers 1 and 2) are maintained in wet lay up and are not operated unless an outage of either of the 150,000#/Hr. boilers necessitates their start-up. The two 150,000#/Hr. boilers (designated boiler numbers 3 and 4) operate together to supply the steam load during normal operations.

All of the boilers have the capability of using either natural gas or coal, or both, as a fuel supply. However, boiler #4, because it is a pressurized continuous slag tapping wet bottom design, must have 80% of its rated output supplied by coal firing before natural gas can be used to supplement the coal when both fuels are fired simultaneously.

Petitioner's natural gas supply can be supplemented with propane-air mixtures up to 125,000 CFH of natural gas equivalent by Petitioner's own owned and operated Propane-Air Plant, (see Operating Permit Application number 0 3 03 1117, I.D. number 119 020 AAI).

3. a. Prior to October of 1970, Petitioner's Power Plant was operated on high sulfur coal for approximately five (5) months per year (November through March) and on an interruptible gas supply for approximately seven (7) months per year.

199862 AAB

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ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL

REGIONAL VARIANCE INVESTIGATION

Date 9/18/74

Region 5

Date Filed: 9/11/74

Date Received by Region: 9/13/74 Date Recommendation Due: 9/27/74

Prepared By: M. Schmierbach Approved By: — Date: 9-19-74

Date Forwarded to Springfield: 9/19/74

Date Region Called: 9/11/74 By Whom: Dick Pressler

Full Name & Address of Petitioner: Olin Corporation 74-335

Marion

Illinois 62959

WILLIAMSON COUNTY

EPE Responsible for Preparation of Variance Investigation:

Name: M. Paul Schmierbach Phone: 618/997-4371

Attorney Responsible for Presentation of Agency Recommendation:

Name: — Phone: —

Relief Sought: Act: 9(c)

Regulation: Rule 505 or 203(e), 206(b), 103, 104

Time Period: One Year

Enforcement Referral: Yes — No x Date: —

Status of Enforcement Referral: —

Federal EPA Involvement: Yes —

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ENVIRONMENTAL PROTECTION AGENCY
STATE OF ILLINOIS